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31 May 1963

AGENDA

PURCELL PANEL MEETING

4 - 5 June 1963

MEMBERS : Dr. Edward Purcell - Chairman
Dr. James Baker
Dr. Allen Donovan
Dr. Eugene Fubini
Dr. Richard Garwin
Dr. Edwin Land
Dr. Donald Ling
Dr. Arthur Lundahl
Dr. Henry Yutzy - Consultant
Mr. Eugene Kiefer - CIA Staff Support
Mr. John McMahon - Executive Secretary

CONTRACTORS : Convair, Eastman-Kodak, Itek

4 June
0930

INTRODUCTION: Mr. John A. McCone, Director of Central Intelligence

I. Briefings

- A. Intelligence Requirements for Photographic Interpretation
(Mr. James Reber - Chrm., Committee on Overhead Reconnaissance, United States Intelligence Board/Arthur C. Lundahl - Director, National Photographic Interpretation Center)
- B. Satellites - Existing systems, systems now programmed, and follow-on systems

evaluation of standards - SPDC - ask Itek.

NRO review(s) completed.

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1030-1230 (1) Itek Corporation

- (a) CORONA M/J
- (b) LANYARD
- (c) L'
- (d) M2
- (e) 240 inch
- (f) Other

1230 - 1330 Lunch

1330 - 1515 (2) Eastman-Kodak

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- (a) [REDACTED]
- (b) [REDACTED]
- (c) [REDACTED]
- (d) Other

1515 - 1530 (3) Future Special Satellite Systems

[REDACTED] and
- CIA)

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- (a) Requirements for System
- (b) Requirements of System
- (c) Prior studies
- (d) Development Plan

1530 - 1700 (4) SSD - Captain Gorman, USN

- (a) Advanced Systems (Research program)
- (b) Direct Read-out System

Evening Panel Session following dinner

5 June

C.

0930 - 1030
1030 - 1130
1130 - 1230

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D. Aircraft

(1) A-12 and AQ-12 (Drone) - Mr. Kiefer

II. Considerations for Panel Recommendations

A. Adequacy of current and proposed satellite systems

B. Research Areas

(1) Satellite systems (guidance)

(2) Cameras

(3) Spectral response

(4) All weather capability

(5) Laser technology and applications

(6) Improved film emulsions

(7) Other recording media

(8) Use of image intensifiers

C. Feasibility of direct read-out and anticipated resolution

D. Stabilization of satellites

E. Present and future vulnerability and measures which can be taken to protect satellites - *Band proposed*

F. Effects of nuclear testing upon satellites

III. Questions to which the Panel should immediately address itself

A. Will the improved photographic satellites now programmed produce reconnaissance photography adequate to meet our needs?

B. What further developments in satellite photography are considered feasible and should be undertaken in the interests of developing a system which would be an

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improvement over [] O LANYARD []
[] and very possibly would equal or exceed
the resolution attained in U-2 photography?

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D. What are the applications of A-12 drones, what quality
photography is expected from them, and would their
operating characteristics be such as to provide useful
coverage in areas important to the security of the
United States?

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